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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,177A

DATE: 09/26/2002
TIME: 14:57:23

Input Set : D:\SEQLIST.txt
Output Set: N:\CRF4\09252002\J086177A.raw

3 <110> APPLICANT: Tudan, Christopher R.
 4 Merzouk, Ahmed
 5 Saxena, Geeta
 6 Eaves, Connie J.
 7 Cashman, Johanne
 8 Clark-Lewis, Ian
 9 Salari, Hassan
 11 <120> TITLE OF INVENTION: CXCR Agonist Treatment of Hematopoietic
 12 Cells
 14 <130> FILE REFERENCE: SMAR-012CIP
 16 <140> CURRENT APPLICATION NUMBER: 10/086,177A
 17 <141> CURRENT FILING DATE: 2002-02-26
 19 <150> PRIOR APPLICATION NUMBER: 09/835,107
 20 <151> PRIOR FILING DATE: 2001-04-12
 22 <150> PRIOR APPLICATION NUMBER: 60/232,425
 23 <151> PRIOR FILING DATE: 2000-09-14
 25 <150> PRIOR APPLICATION NUMBER: CA 2,305,036
 26 <151> PRIOR FILING DATE: 2000-04-12
 28 <150> PRIOR APPLICATION NUMBER: CA 2,335,109
 29 <151> PRIOR FILING DATE: 2001-02-23
 31 <160> NUMBER OF SEQ ID NOS: 34
 33 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 35 <210> SEQ ID NO: 1
 36 <211> LENGTH: 67
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
 40 <400> SEQUENCE: 1
 41 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Glu Ser
 42 1 5 10 15
 43 His Val Ala Arg Ala Asn Val Lys His Leu Lys Ile Leu Asn Thr Pro
 44 20 25 30
 45 Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys Asn Asn Asn Arg Gln
 46 35 40 45
 47 Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys
 48 50 55 60
 49 Ala Leu Asn
 50 65
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 93
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Homo sapiens
 58 <400> SEQUENCE: 2
 59 Met Asn Ala Lys Val Val Val Val Leu Val Val Leu Thr Ala Leu

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60 1 5 10 15
 61 Cys Leu Ser Asp Gly Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys
 62 20 25 30
 63 Arg Phe Phe Glu Ser His Val Ala Arg Ala Asn Val Lys His Leu Lys
 64 35 40 45
 65 Ile Leu Asn Thr Pro Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys
 66 50 55 60
 67 Asn Asn Asn Arg Gln Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln
 68 65 70 75 80
 69 Glu Tyr Leu Glu Lys Ala Leu Asn Lys Arg Phe Lys Met
 70 85 90
 73 <210> SEQ ID NO: 3
 74 <211> LENGTH: 93
 75 <212> TYPE: PRT
 76 <213> ORGANISM: Homo sapiens
 78 <400> SEQUENCE: 3
 79 Met Asn Ala Lys Val Val Val Val Leu Val Leu Val Leu Thr Ala Leu
 80 1 5 10 15
 81 Cys Leu Ser Asp Gly Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys
 82 20 25 30
 83 Arg Phe Phe Glu Ser His Val Ala Arg Ala Asn Val Lys His Leu Lys
 84 35 40 45
 85 Ile Leu Asn Thr Pro Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys
 86 50 55 60
 87 Asn Asn Asn Arg Gln Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln
 88 65 70 75 80
 89 Glu Tyr Leu Glu Lys Ala Leu Asn Lys Arg Phe Lys Met
 90 85 90
 93 <210> SEQ ID NO: 4
 94 <211> LENGTH: 17
 95 <212> TYPE: PRT
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-17): or
 100 CICE9902
 102 <400> SEQUENCE: 4
 103 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Glu Ser
 104 1 5 10 15
 105 His
 109 <210> SEQ ID NO: 5
 110 <211> LENGTH: 6
 111 <212> TYPE: PRT
 112 <213> ORGANISM: Artificial Sequence
 114 <220> FEATURE:
 115 <223> OTHER INFORMATION: Synthesized in Laboratory
 117 <400> SEQUENCE: 5
 118 Arg Phe Phe Glu Ser His
 119 1 5
 122 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING
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Input Set : D:\SEQLIST.txt
Output Set: N:\CRF4\09252002\J086177A.raw

123 <211> LENGTH: 9
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Synthesized in Laboratory
130 <400> SEQUENCE: 6
131 Lys Pro Val Ser Leu Ser Tyr Arg Cys
132 1 5
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-9)
142 2-C9/C9-cysteine dimer: or CTCE9901
144 <400> SEQUENCE: 7
145 Lys Pro Val Ser Leu Ser Tyr Arg Cys
146 1 5
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 10
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthesized in Laboratory
W--> 157 <221> NAME/KEY: VARIANT
158 <222> LOCATION: 10
159 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 161 <221> VARIANT
162 <222> LOCATION: 10
163 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 165 <400> 8
W--> 166 Lys Pro Val Ser Leu Ser Tyr Arg Cys Xaa
167 1 5 10
170 <210> SEQ ID NO: 9
171 <211> LENGTH: 9
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Synthesized in Laboratory
178 <400> SEQUENCE: 9
179 Lys Pro Val Ser Leu Ser Tyr Arg Cys
180 1 5
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthesized in Laboratory
W--> 191 <221> NAME/KEY: VARIANT

RAW SEQUENCE LISTING
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Input Set : D:\SEQLIST.txt
Output Set: N:\CRF4\09252002\J086177A.raw

192 <222> LOCATION: 9
193 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 195 <221> VARIANT
196 <222> LOCATION: 9
197 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 199 <400> 10
W--> 200 Lys Pro Val Ser Leu Ser Tyr Arg Xaa
201 1 5
204 <210> SEQ ID NO: 11
205 <211> LENGTH: 8
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Synthesized in Laboratory
212 <400> SEQUENCE: 11
213 Lys Pro Val Ser Leu Ser Tyr Arg
214 1 5
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 30
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-14) - (G)
224 3-SDF-1 (55-67) acid
226 <400> SEQUENCE: 12
227 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Gly Gly
228 1 5 10 15
229 Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala Leu Asn
230 20 25 30
233 <210> SEQ ID NO: 13
234 <211> LENGTH: 31
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-14) - (G)
240 3-SDF-1 (55-67) acid: or CTCE0013
242 <400> SEQUENCE: 13
243 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Gly Gly
244 1 5 10 15
245 Gly Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala Leu Asn
246 20 25 30
249 <210> SEQ ID NO: 14
250 <211> LENGTH: 30
251 <212> TYPE: PRT
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-14) - (G)
256 3-SDF-1 (55-67) amide
258 <400> SEQUENCE: 14

RAW SEQUENCE LISTING
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Input Set : D:\SEQLIST.txt
Output Set: N:\CRF4\09252002\J086177A.raw

259 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Gly Gly
260 1 5 10 15
261 Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala Leu Asn
262 20 25 30
263 <210> SEQ ID NO: 15
264 <211> LENGTH: 31
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-14) - (G)
269 3-SDF-1 (55-67) amide: or CTCE0017
270 <400> SEQUENCE: 15
271 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Gly Gly
272 1 5 10 15
273 Gly Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala Leu Asn
274 20 25 30
275 <210> SEQ ID NO: 16
276 <211> LENGTH: 33
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-17) - (G)
281 3-SDF-1 (55-67) acid
282 <400> SEQUENCE: 16
283 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Glu Ser
284 1 5 10 15
285 His Gly Gly Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala Leu
286 20 25 30
287 Asn
288 <210> SEQ ID NO: 17
289 <211> LENGTH: 34
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-17) - (G)
294 3-SDF-1 (55-67) acid
295 <400> SEQUENCE: 17
296 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Glu Ser
297 1 5 10 15
298 His Gly Gly Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala
299 20 25 30
300 Leu Asn
301 <210> SEQ ID NO: 18
302 <211> LENGTH: 33
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-17) - (G)
307 3-SDF-1 (55-67) acid
308 <400> SEQUENCE: 18
309 Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys Arg Phe Phe Glu Ser
310 1 5 10 15
311 His Gly Gly Gly Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys Ala
312 20 25 30
313 Leu Asn
314 <210> SEQ ID NO: 19
315 <211> LENGTH: 33
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Synthesized in Laboratory: SDF-1 (1-17) - (G)
320 3-SDF-1 (55-67) amide

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/086,177A

DATE: 09/26/2002
TIME: 14:57:24

Input Set : D:\SEQLIST.txt
Output Set: N:\CRF4\09252002\J086177A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 10
Seq#:10; Xaa Pos. 9

VERIFICATION SUMMARY
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Input Set : D:\SEQLIST.txt
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L:157 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:161 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:165 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:191 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:195 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:199 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0